# Original/Duplicate/Triplicate
# CONTRACT CERTIFICATE

No. ***First & Final Bill*** (For Other Works) Date.....2019

Division: **BBMP, Byataranyanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Work Code: 010-19-000005**

Schedule Docket No. Head of Account: **P-3293** **Est.Cost: 10.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: **Providing Drinking Water by Sinking of Borewell and Pipelines in Ward No. 10 (Doddabommasandra).**

Name of Contractor and Full Address: ***Sri. A. Chiranjeevi, Contractor, # 31, Kaverinagara, Kavalbyrasandra, Bangalore – 560 032.***

Reference to Agreement No. **BBMP/EE/BTP/E-PMT/19(34056)/WO/26/2019-20** **Dated: 07.06.2019**

Certified that the measurements were taken by me on 30/09/19 and recorded of **Pages** 192224 **to** 192239 of measurement Book No.8923/13-14 and that the work is satisfactorily executed.

A-Chiranjeevi
**Contractor**

Sweetha-N K
**Officer-in-charge of work**

Certified that the measurement were taken by me on ...30/9.....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

**Sub-Division Officer**

II Memorandum of Payment

| | |
|---|---|
| 1) Total value of work done or supplies made as per account within | |
| 2) Deduct amount to be held in reserve being .....percent Rs..... | |
| 3) " Balance | |
| 4) Deduct Payment: | |
| a. Amount of previous payment as in the Office Cash Book Voucher No..:.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of | |
| b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash. | |
| 5) Balance being unpaid value of work done held in reserve. | |
| 6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. | |
| 7) Net amount due to or from Contractor unadjustments items. | |
| 8) Advance to Contractor for materials brought to site (as detailed) within. | |
| 9) Value of Government materials supplied. | |
| Total amount adjusted - | |

A-Chiranjeevi
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness
1.
2. A-Chiranjeevi
Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

**Initials of Officer making payment**

**Executive Engineer**

| Sl. No. | | Unit |
|---|---|---|
| 1 | Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work | Each BW |
| 2 | Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m | Rmtr |
| 3 | 50 to 100 m | Rmtr |
| 4 | 100 to 150 m | Rmtr |
| 5 | 150 to 200 m | Rmtr |
| 6 | 200 to 250 m | Rmtr |
| 7 | 250 to 300 m | Rmtr |
| 8 | Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty etc., complete and as per the directions of the Engineer-in-charge of the work | Rmtr |
| 9 | Code No.: 3008 Providing 250mm dia PVC Pipe 10kg/cm etc., complete and as per the directions of the Engineer-in-charge of the work | Rmtr |
| 10 | Providing and fixing Borewell Cap and Clamp Set etc., complete and as per the directions of the Engineer-in-charge of the work | Set |
| 11 | Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps etc., complete and as per the directions of the Engineer-in-charge of the work | No |
| 12 | Providing GI Pipe 50 mm 'B' Class etc., complete and as per the directions of the Engineer-in-charge of the work | m |
| 13 | Providing Collar 50 mm etc., complete and as per the directions of the Engineer-in-charge of the work | No |
| 14 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of **GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 4 Sqm mm** etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr |
| 15 | Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) etc., complete and as per the directions of the Engineer-in-charge of the work | Per Length |
| 16 | Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., complete and as per the directions of the Engineer-in-charge of the work | Each |
| 17 | Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| - | - | 1 | 1541.00 | 1541.00 | 1 | 1541.00 | |
| - | - | 50.00 | 250.00 | 12500.00 | 50.00 | 12500.00 | |
| - | - | 50.00 | 327.00 | 16350.00 | 50.00 | 16350.00 | |
| - | - | 50.00 | 365.00 | 18250.00 | 50.00 | 18250.00 | |
| - | - | 50.00 | 384.00 | 19200.00 | 50.00 | 19200.00 | |
| - | - | 50.00 | 445.00 | 22250.00 | 50.00 | 22250.00 | |
| - | - | 50.00 | 477.00 | 23850.00 | 50.00 | 23850.00 | |
| - | - | 70.00 | 1053.00 | 73710.00 | 70.00 | 73710.00 | |
| - | - | 18.00 | 1751.00 | 31518.00 | 18.00 | 31518.00 | |
| - | - | 1 | 1431.00 | 1431.00 | 1 | 1431.00 | |
| - | - | 1 | 44849.00 | 44849.00 | 1 | 44849.00 | |
| - | - | 260.00 | 329.00 | 85540.00 | 260.00 | 85540.00 | |
| - | - | 44.00 | 143.00 | 6292.00 | 44 | 6292.00 | |
| - | - | 540 | 100.00 | 54000.00 | 540.00 | 54000.00 | |
| - | - | 44 | 69.00 | 3036.00 | 44.00 | 3036.00 | |
| - | - | 1.00 | 240.00 | 240.00 | 1 | 240.00 | |
| - | - | 30.00 | 111.00 | 3330.00 | 30.00 | 3330.00 | |

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| Sl. No. | | Unit |
|---|---|---|
| 18 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. **6Sqmm to 16 Sqmm)** etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr |
| 19 | Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr |
| 2 | Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr |
| 21 | Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., complete and as per the directions of the Engineer-in-charge of the work | No. |
| 22 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, etc., complete and as per the directions of the Engineer-in-charge of the work | No |
| 23 | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete and as per the directions of the Engineer-in-charge of the work | No. |
| 24 | Providing and fixing 50mm nominal bore gun metal non-return etc., complete and as per the directions of the Engineer-in-charge of the work | Nos |
| 25 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **5-32Amps Group A TPN** etc., complete and as per the directions of the Engineer-in-charge of the work | No |
| 26 | Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete and as per the directions of the Engineer-in-charge of the work | Sq.Cm |
| 27 | Providing outdoor panel upto **15.00 HP** etc., complete and as per the directions of the Engineer-in-charge of the work | No. |
| 18 | Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Hard Soil** etc., complete and as per the directions of the Engineer-in-charge of the work | Cum |
| 29 | Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation etc., complete and as per the directions of the Engineer-in-charge of the work | Rmtr |
| 30 | Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs etc., complete and as per the directions of the Engineer-in-charge of the work | Cum |
| | **Sub Total 1** | |
| 31 | Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.- **for 50mm dia**: etc., complete and as per the directions of the Engineer-in-charge of the work | Each |
| 32 | Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work | Each |
| | **Sub Total 2** | |
| | **GST @ 12% for Sub Total 2** | |
| | **BESCOM Deposit = 1731+9140+9+100 = 10980.00** | |
| | **Total** | |

**CERTIFICATE**

1. Certified that the above work done satisfactory and no materials issued from departmentally.

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| - | - | 30.00 | 8.00 | 240.00 | 30.00 | 240.00 | |
| - | - | 25.00 | 67.00 | 1675.00 | 25.00 | 1675.00 | |
| - | - | 4 | 274.00 | 1096.00 | 4.00 | 1096.00 | |
| - | - | 1 | 222.00 | 222.00 | 1 | 222.00 | |
| - | - | 1 | 2167.00 | 2167.00 | 1 | 2167.00 | |
| - | - | 6 | 143.00 | 858.00 | 6 | 858.00 | |
| - | - | 1 | 1431.00 | 1431.00 | 1 | 1431.00 | |
| - | - | 1 | 1229.00 | 1229.00 | 1 | 1229.00 | |
| - | - | 23400.00 | 0.26 | 6084.00 | 23400 | 6084.00 | |
| - | - | 1 | 12322.00 | 12322.00 | 1 | 12322.00 | |
| - | - | 648.00 | 149.00 | 96552.00 | 648 | 96552.00 | |
| - | - | 1800.00 | 97.00 | 174600.00 | 1800.00 | 174600.00 | |
| - | - | 648.00 | 48.00 | 31104.00 | 648 | 31104.00 | |
| | | | | **747467.00** | | **747467.00** | |
| - | - | 1.00 | 176.00 | 176.00 | 1.00 | 176.00 | |
| - | - | 18.00 | 1772.00 | 31896.00 | 18.00 | 31896.00 | |
| | | | | **32072.00** | | **32072.00** | |
| | | | | **3848.64** | | **3848.64** | |
| | | 1 | 10980.00 | **10980.00** | 1 | **10980.00** | |
| | | | | **794367.64** | | **794367.64** | |

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